

# AZU1 mouse monoclonal antibody (hybridoma)

Catalog # H00000566-M

Size Up to 5 Clones

## Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant AZU1.
Immunogen	AZU1 (NP_001691.1, 1 a.a. ~ 251 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTRLTVLALLAGLLASSRAGSSPLLDIVGGRKARPRQFPFLASIQNQGRHFCGGALIHARFVMTAA SCFQSQNPQVSTVVLGAYDLRRRERQSRQTFSSISSMSENGYDPQQNLNDLMLQLDREANLTSS VTILPLPLQNATVEAGTRCQVAGWGSQSRSGGRLSRFPRFVNVTVTPEDQCRPNNVCTGVLTRRG GICNGDGGTPLVCEGLAHGVASFSLGPCGRGPDDFFTRVALFRDWIDGVLNNPGPGPA
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — AZU1

Entrez GeneID [566](#)

GeneBank Accession# [NM\\_001700.3](#)

Protein Accession# [NP\\_001691.1](#)

Gene Name AZU1

Gene Alias AZAMP, AZU, CAP37, HBP, HUMAZUR, NAZC

Gene Description azurocidin 1

Omim ID [162815](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins implicated in the killing of microorganisms. The protein encoded by this gene is an azurophil granule antibiotic protein, with monocyte chemotactic and antibacterial activity. It is also an important multifunctional inflammatory mediator. This encoded protein is a member of the serine protease gene family but it is not a serine proteinase, because the active site serine and histidine residues are replaced. The genes encoding this protein, neutrophil elastase 2, and proteinase 3 are in a cluster located at chromosome 19pter. All 3 genes are expressed coordinately and their protein products are packaged together into azurophil granules during neutrophil differentiation. [provided by RefSeq]

**Other Designations** cationic antimicrobial protein 37|heparin-binding protein|neutrophil azurocidin

## Disease

- [HIV Infections](#)